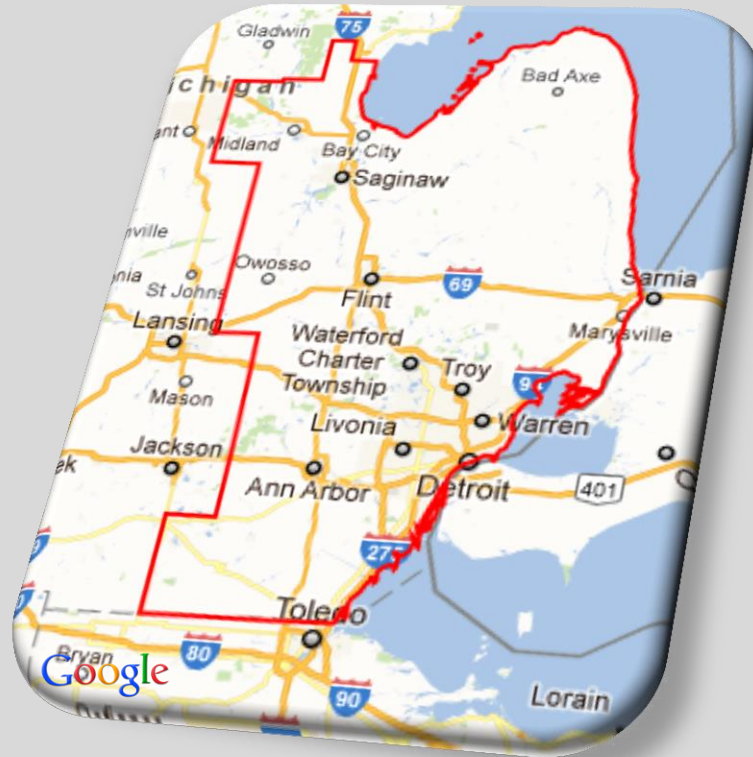




Weather Briefing

August 19, 2015



National Weather Service
Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: w-dtx.webmaster@noaa.gov



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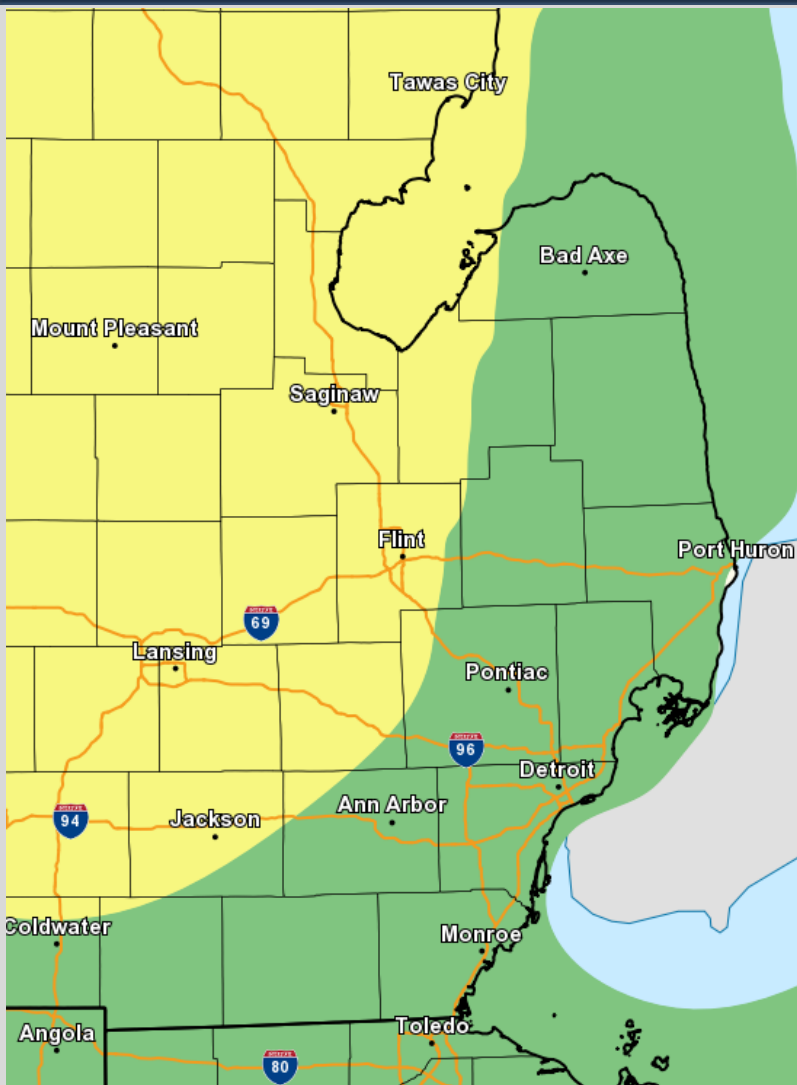




Hazard Summary



Slight Risk of Severe Weather Today/Tonight



Slight Risk



Marginal Risk

- ✓ **Main threats:**
 - ✓ damaging wind
 - ✓ heavy rainfall/localized flooding
- ✓ **Lesser threats:**
 - ✓ tornadoes
 - ✓ large hail
- ✓ **Storms could weaken before exiting southeast Michigan during late evening.**

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Risk Categories

Slight Risk Today



Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with <u>all</u> thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					
<ul style="list-style-type: none">• Winds to 40 mph• Small hail	<ul style="list-style-type: none">• Winds 40-60 mph• Hail up to 1"• Low tornado risk	<ul style="list-style-type: none">• One or two tornadoes• Reports of strong winds/wind damage• Hail ~1", isolated 2"	<ul style="list-style-type: none">• A few tornadoes• Several reports of wind damage• Damaging hail, 1 - 2"	<ul style="list-style-type: none">• Strong tornadoes• Widespread wind damage• Destructive hail, 2" +	<ul style="list-style-type: none">• Tornado outbreak• Derecho

* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



National Weather Service

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Decision Support Briefing Highlights

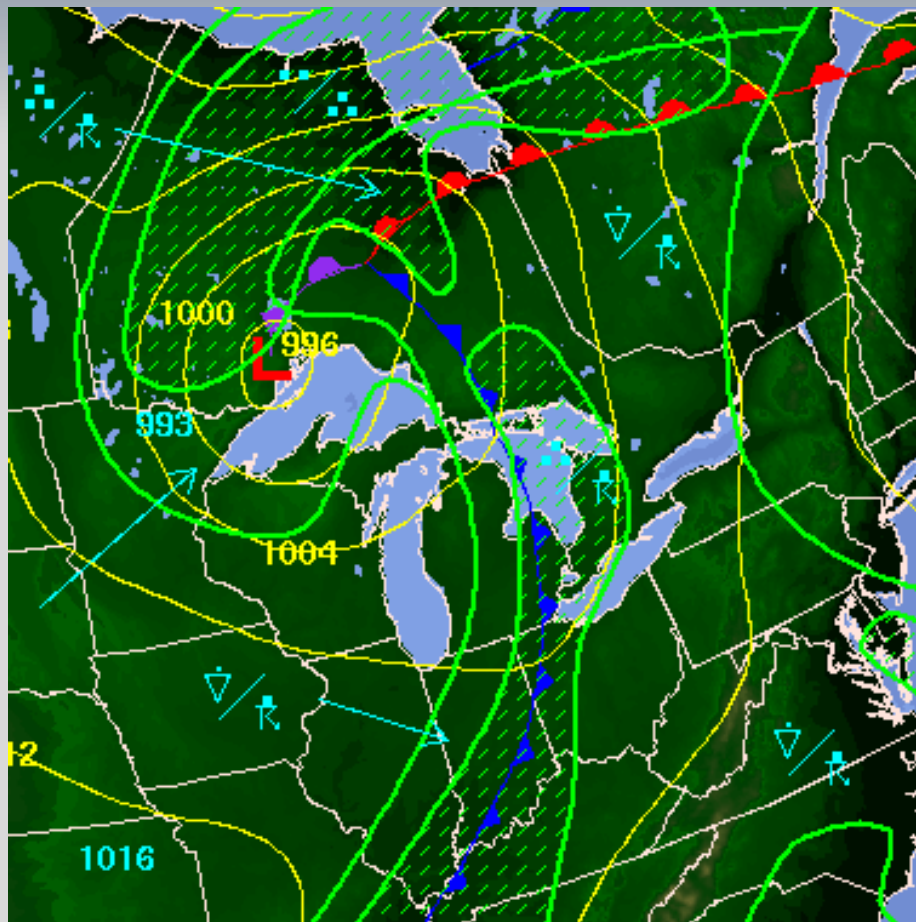


Event Summary

**Slight Risk of Severe Weather
and Localized Flooding**

All of Southeast Michigan

Afternoon/Evening



Forecast for 8 pm Today



Severe Weather Details



Today and Tonight

What

- Warm and moist air ahead of a strong cold front will trigger thunderstorms today with greatest coverage during the afternoon and evening.
- Scattered showers and weaker thunderstorms during the morning, becoming numerous to widespread and increasing strength along and ahead of the cold front in the afternoon and evening. Some of the storms could be severe.
- **Greatest Threat:** Damaging Winds, Heavy Rainfall/Localized Flooding
Lesser Threat: Tornadoes, Large Hail

When

- Wednesday 3 PM - Midnight

Where

- All of Southeast Michigan – storms could weaken before exiting southeast Michigan toward midnight.

Forecast Confidence

- High in shower and thunderstorm development.
- Low to medium on severe weather potential.
 - Clouds and showers during the morning may limit instability in the afternoon and evening.



Additional Information



Local Hazards Page

<http://w2.weather.gov/dtx/dtxhazards>

Storm Prediction Center

<http://www.spc.noaa.gov>



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